

48

SEQUENCE LISTING

<110> Michael S.C. Fung
 Bill N.C. Sun
 Cecily R.Y. Sun

<120> Inhibitors of Complement Activation

<130> 98-2A

<150> 60/075,328

<151> 1998-02-20

<150> 09/253,689

<151> 1999-02-20

<160> 15

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 699

<212> DNA

<213> human

<220>

<221> CDS

<222> (4)...(687)

<400> 1

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Ile Leu Gly Gly Arg Glu Ala Glu Ala His Ala Arg Pro Tyr Met

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gcg tcg gtg cag ctg aac ggc gcg cac ctg tgc ggc ggc gtc ctg gtg 96

Ala Ser Val Gln Leu Asn Gly Ala His Leu Cys Gly Gly Val Leu Val

20 25 30

gcg gag cag tgg gtg ctg agc gcg gcg cac tgc ctg gag gac gcg gcc 144

Ala Glu Gln Trp Val Leu Ser Ala Ala His Cys Leu Glu Asp Ala Ala

35 40 45

gac ggg aag gtg cag gtt ctc ctg ggc gcg cac tcc ctg tcg cag ccg 192

Asp Gly Lys Val Gln Val Leu Leu Gly Ala His Ser Leu Ser Gln Pro

50 55 60

gag ccc tcc aag cgc ctg tac gac gtg ctc cgc gca gtg ccc cac ccg 240

Glu Pro Ser Lys Arg Leu Tyr Asp Val Leu Arg Ala Val Pro His Pro

65 70 75

gac agc cag ccc gac acc atc gac cac gac ctc ctg ctg cta cag ctg 288

Asp Ser Gln Pro Asp Thr Ile Asp His Asp Leu Leu Leu Gln Leu

80	85	90	95	
tcg gag aag gcc aca ctg ggc cct gct gtg cgc ccc ctg ccc tgg cag				336
Ser Glu Lys Ala Thr Leu Gly Pro Ala Val Arg Pro Leu Pro Trp Gln				
100	105	110		
cgc gtg gac cgc gac gtg gca ccg gga act ctc tgc gac gtg gcc ggc				384
Arg Val Asp Arg Asp Val Ala Pro Gly Thr Leu Cys Asp Val Ala Gly				
115	120	125		
tgg ggc ata gtc aac cac gcg ggc cgc cgc ccg gac agc ctg cag cac				432
Trp Gly Ile Val Asn His Ala Gly Arg Arg Pro Asp Ser Leu Gln His				
130	135	140		
gtg ctc ttg cca gtg ctg gac cgc gcc acc tgc aac cgg cgc acg cac				480
Val Leu Leu Pro Val Leu Asp Arg Ala Thr Cys Asn Arg Arg Thr His				
145	150	155		
cac gac ggc gcc atc acc gag cgc ttg atg tgc gcg gag agc aat cgc				528
His Asp Gly Ala Ile Thr Glu Arg Leu Met Cys Ala Glu Ser Asn Arg				
160	165	170	175	
cgg gac agc tgc aag ggt gac tcc ggg ggc ccg ctg gtg tgc ggg ggc				576
Arg Asp Ser Cys Lys Gly Asp Ser Gly Gly Pro Leu Val Cys Gly Gly				
180	185	190		
gtg ctc gag ggc gtg gtc acc tcg ggc tcg cgc gtt tgc ggc aac cgc				624
Val Leu Glu Gly Val Val Thr Ser Gly Ser Arg Val Cys Gly Asn Arg				
195	200	205		
aag aag ccc ggg atc tac acc cgc gtg gcg agc tat gcg gcc tgg atc				672
Lys Lys Pro Gly Ile Tyr Thr Arg Val Ala Ser Tyr Ala Ala Trp Ile				
210	215	220		
gac agc gtc ctg gcc tagtaggaat tc				699
Asp Ser Val Leu Ala				
225				

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 <211> 228
 <212> PRT
 <213> human

<400> 2
 Ile Leu Gly Gly Arg Glu Ala Glu Ala His Ala Arg Pro Tyr Met Ala
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 Ser Val Gln Leu Asn Gly Ala His Leu Cys Gly Gly Val Leu Val Ala
 20 25 30
 Glu Gln Trp Val Leu Ser Ala Ala His Cys Leu Glu Asp Ala Ala Asp
 35 40 45
 Gly Lys Val Gln Val Leu Leu Gly Ala His Ser Leu Ser Gln Pro Glu
 50 55 60
 Pro Ser Lys Arg Leu Tyr Asp Val Leu Arg Ala Val Pro His Pro Asp
 65 70 75 80

Ser Gln Pro Asp Thr Ile Asp His Asp Leu Leu Leu Leu Gln Leu Ser
 85 90 95
 Glu Lys Ala Thr Leu Gly Pro Ala Val Arg Pro Leu Pro Trp Gln Arg
 100 105 110
 Val Asp Arg Asp Val Ala Pro Gly Thr Leu Cys Asp Val Ala Gly Trp
 115 120 125
 Gly Ile Val Asn His Ala Gly Arg Arg Pro Asp Ser Leu Gln His Val
 130 135 140
 Leu Leu Pro Val Leu Asp Arg Ala Thr Cys Asn Arg Arg Thr His His
 145 150 155 160
 Asp Gly Ala Ile Thr Glu Arg Leu Met Cys Ala Glu Ser Asn Arg Arg
 165 170 175
 Asp Ser Cys Lys Gly Asp Ser Gly Gly Pro Leu Val Cys Gly Gly Val
 180 185 190
 Leu Glu Gly Val Val Thr Ser Gly Ser Arg Val Cys Gly Asn Arg Lys
 195 200 205
 Lys Pro Gly Ile Tyr Thr Arg Val Ala Ser Tyr Ala Ala Trp Ile Asp
 210 215 220
 Ser Val Leu Ala
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<212> DNA

<213> pig

<220>

<221> CDS

<222> (4)...(702)

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1

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15

gca tcg gtg cag gtg aac ggc aag cac gtg tgc gga ggc ttc ctg gtg 96

Ala Ser Val Gln Val Asn Gly Lys His Val Cys Gly Gly Phe Leu Val

20

25

30

tct gag cag tgg gtg ctg agt gca gca cac tgc ctg gag gac gtg gcc 144

Ser Glu Gln Trp Val Leu Ser Ala Ala His Cys Leu Glu Asp Val Ala

35

40

45

gag ggg aag ctg cag gtt ctc ctg ggt gcg cac tcc ctg tca cag ccc 192

Glu Gly Lys Leu Gln Val Leu Leu Gly Ala His Ser Leu Ser Gln Pro

50

55

60

gag ccc tcg aag cgc ctg tac gac gtg ctc cgc gcc gtg ccc cac cca 240

Glu Pro Ser Lys Arg Leu Tyr Asp Val Leu Arg Ala Val Pro His Pro

65

70

75

gac agc cag cct gac acc atc gac cat gat ctc ctc ctg ctg aag ctc 288

Asp Ser Gln Pro Asp Thr Ile Asp His Asp Leu Leu Leu Leu Lys Leu

80

85

90

95

tcc gag aag gcc gag ctg ggc cct gcc gtg cag ccc ctt gcc tgg caa	336
Ser Glu Lys Ala Glu Leu Gly Pro Ala Val Gln Pro Leu Ala Trp Gln	
100 105 110	
cga gag gac cac gag gtt cgg gca ggc acg ctc tgc gac gtg gcc ggc	384
Arg Glu Asp His Glu Val Pro Ala Gly Thr Leu Cys Asp Val Ala Gly	
115 120 125	
tgg gga gtg gtc agt cac act ggc cgc cgg ccc gac cgt ctg cag cac	432
Trp Gly Val Val Ser His Thr Gly Arg Arg Pro Asp Arg Leu Gln His	
130 135 140	
ctg ctc cta cgg gtg ctg gac cgc acc acc tgc aac ctg cgc aca tac	480
Leu Leu Leu Pro Val Leu Asp Arg Thr Thr Cys Asn Leu Arg Thr Tyr	
145 150 155	
cac gat ggc acc atc acc gag cgc atg atg tgc gcg gag agc aac cgt	528
His Asp Gly Thr Ile Thr Glu Arg Met Met Cys Ala Glu Ser Asn Arg	
160 165 170 175	
cgg gac agc tgc aag ggc gac tcc gga ggc ccg ctg gtg tgc ggg ggt	576
Arg Asp Ser Cys Lys Gly Asp Ser Gly Gly Pro Leu Val Cys Gly Gly	
180 185 190	
gtg gcc gag gga gtg gtt acc tca ggc tcc cga gtc tgc ggc aac cgc	624
Val Ala Glu Gly Val Val Thr Ser Gly Ser Arg Val Cys Gly Asn Arg	
195 200 205	
aag aaa ccc ggc atc tac acg cgc ttg gcg agc tac gtg gcc tgg atc	672
Lys Lys Pro Gly Ile Tyr Thr Arg Leu Ala Ser Tyr Val Ala Trp Ile	
210 215 220	
gac gga gtg atg gct gac agc gca gcc gcc tagtaggaat tc	714
Asp Gly Val Met Ala Asp Ser Ala Ala Ala	
225 230	
<210> 4	
<211> 233	
<212> PRT	
<213> pig	
<400> 4	
Ile Leu Gly Gly Gln Glu Ala Lys Ser His Glu Arg Pro Tyr Met Ala	
1 5 10 15	
Ser Val Gln Val Asn Gly Lys His Val Cys Gly Gly Phe Leu Val Ser	
20 25 30	
Glu Gln Trp Val Leu Ser Ala Ala His Cys Leu Glu Asp Val Ala Glu	
35 40 45	
Gly Lys Leu Gln Val Leu Leu Gly Ala His Ser Leu Ser Gln Pro Glu	
50 55 60	
Pro Ser Lys Arg Leu Tyr Asp Val Leu Arg Ala Val Pro His Pro Asp	
65 70 75 80	
Ser Gln Pro Asp Thr Ile Asp His Asp Leu Leu Leu Leu Lys Leu Ser	
85 90 95	

Glu Lys Ala Glu Leu Gly Pro Ala Val Gln Pro Leu Ala Trp Gln Arg
 100 105 110
 Glu Asp His Glu Val Pro Ala Gly Thr Leu Cys Asp Val Ala Gly Trp
 115 120 125
 Gly Val Val Ser His Thr Gly Arg Arg Pro Asp Arg Leu Gln His Leu
 130 135 140
 Leu Leu Pro Val Leu Asp Arg Thr Thr Cys Asn Leu Arg Thr Tyr His
 145 150 155 160
 Asp Gly Thr Ile Thr Glu Arg Met Met Cys Ala Glu Ser Asn Arg Arg
 165 170 175
 Asp Ser Cys Lys Gly Asp Ser Gly Gly Pro Leu Val Cys Gly Gly Val
 180 185 190
 Ala Glu Gly Val Val Thr Ser Gly Ser Arg Val Cys Gly Asn Arg Lys
 195 200 205
 Lys Pro Gly Ile Tyr Thr Arg Leu Ala Ser Tyr Val Ala Trp Ile Asp
 210 215 220
 Gly Val Met Ala Asp Ser Ala Ala Ala
 225 230

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 <213> artificial sequence

<220>
 <223> primer

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<210> 6
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> primer

<400> 6
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<210> 7
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<220>
 <223> primer

<400> 7
 tccgagaata acgagtg 17

<210> 8
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<220>

<223> primer

<400> 8

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<210> 9

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 9

cgcggccgca gctgctcaga gtgtaga

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<220>

<223> primer

<400> 10

cggtgaagctt cactggctca gggaaata

28

<210> 11

<211> 37

<212> DNA

<213> Artificial Sequence

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<223> primer

<400> 11

aagaagcttg ccgccaccat ggattggctg tggaact

37

<210> 12

<211> 31

<212> DNA

<213> artificial sequence

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<223> primer

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31

<210> 13

<211> 36

<212> DNA

